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L 42983-66 EWT(l)/EWT(m) AT/DS/RM

ACC NR: AR6014101 SOURCE CODE: UR/0272/65/000/011/0124/0125

AUTHORS: Bogolyubov, Ya. Kh.; Peryshkina, N. G.; Soldatov, V. S.

TITLE: A calorimeter for measuring thermal effects accompanying ion exchange processes

SOURCE: Ref. zh. Metrologiya i izmeritel'naya tekhnika, Abs. 11.32.1108

REF SOURCE: Izv. AN BSSR. Ser. khim. n., no. 1, 1965, 35-38

TOPIC TAGS: calorimeter, calorimetry, ion exchange, thermistor / MMT-1 thermistor

ABSTRACT: The calorimeter described here makes it possible to conduct an experiment isothermally and adiabatically, the latter condition being attained automatically by a special apparatus maintaining an equal temperature within the calorimeter and in the casing (maximum difference 0.01--0.2C). The thermal process is conducted in a hermetically sealed vessel of small volume (50 cm^3), well isolated from the external medium. Measurements are taken with a thermistor of type MMT-1 sensitive to 0.0005C. Thermal effects are measured with an accuracy of 0.5--1.0%. Yu. Vaysberg
[Translation of abstract]

SUB CODE: 14

Card 1/1 hs UDC: 389:536.628.3

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

BOGOLYUBOV, Yu.I. (Cheboksary)

Solvability of an equation in five variables by means of a nomograph. Zhur.vych.mat.i mat.fiz. 1 no.4:725-728 Jl-Ag '61. (MIRA 14:8)

(Nomography (Mathematics)) (Differential equations, Partial)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

BOGOLYUBOV, Yu.I.

15

PHASE I BOOK EXPLOITATION SOV/6352

Akademiya nauk SSSR. Vychislitel'nyy tsentr

Nomograficheskiy sbornik (Collected Papers on Nomography, no. 1.) Moscow, 1962. 248 p. 1800 copies printed.

Resp. Ed.: G. S. Khovanskiy, Candidate of Technical Sciences; I. A. Orlova; Tech. Ed.: A. I. Korkina.

PURPOSE: This collection of papers is intended for those engaged in research on and design of nomographs.

COVERAGE: This collection contains 27 papers concerning various aspects of the theory, construction, and use of nomograms for the solution of algebraic, functional, transcendental, and differential equations. No personalities are mentioned. There are 122 references: 102 Soviet (1 of which is a translation from the English), 8 German, 5 French, 2 English, 2 Spanish, 2 Rumanian, and 1 Czech.

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Collected Papers on Nomography SOV/6352

XXV. Bogolyubov, Yu. I., Cheboksary. On the Possibility of Writing a System of Two Equations With Six Variables in the Form
$A_5 + A_6 = A_{12} + A_{34}$, $B_5 + B_6 = B_{12} + B_{34}$,
Permitting the Construction of a Nomogram With Oriented Moving Scale 216

The results obtained were presented by the author at the scientific-research seminar on synthetic geometry and nomography, Moscow State University, 2 and 16 October 1961.

XXVI. Kuz'min, Ye. N. Possibility of Writing an Equation With Five Variables in the Form
$x_5 = \varphi_{12} + \psi_{34} + \Phi(\gamma_{12} + \gamma_{34})$,
Permitting the Construction of a Nomogram With Oriented Moving Scale 225

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

BOGOLYUBOV, Yu.I. (Cheboksary)

Representation of a system of two equations with six variables of the type $A_5 + A_6 = A_{12} + A_{34}$, $B_5 + B_6 = B_{12} + B_{34}$ permitting of the construction of a nomogram with an oriented transparency. Nom. sbor. no.1:216-224 '62. (MIRA 16:5)
(Nomography (Mathematics))

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

BOGOLYUBOV, Yu.I. (Cheboksary)

Representability of an equation with four variables by a nomograph with a transparent overlay in the form of a ruler. Zhur.-vych. mat.i mat.fiz. 2 no.3:502-504 My-Je '62. (MIRA 15:7)
(Nomography (Mathematics)) (Equations)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

BOGOLYUBOV, Yu.I. (Cheboksary)

Representation of a system of two equations with six variables in a form admitting of the construction of a nomogram with an oriented transparency shaped as a ruler. Nom. sbor. no.3:150-157 '55.

Representation of a system of four equations with nine variables in a form admitting of the construction of a nomogram with an oriented transparency. Ibid.:158-166 (MIRA 18:10)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

BOGOLYUBOV, Yu.S.

Inhibition mechanism of the motility of the gastrointestinal tract during increased pressure in the urinary system. Nauch. trudy Kaz. gos. med. inst. 14:119-120 '64. (MIRA 18:9)

1. Kafedra normal'noy fiziologii (zav. - prof. I.N.Volkova) i kafedra fakul'tetskoy khirurgii (zav. - prof. I.F.Kharitonov) Kazanskogo meditsinskogo instituta.

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

YAKHONTOV, V., prof. (Tashkent); YEREMENKO, T. (Tashkent); BOGOLYUBOVA, A. (Tashkent)

Entomophages of the apple and cherry ermine moths Hyponomeuta malinellus L. and Hyponomeuta padellus. Zashch. rast. ot vred. i bol. 10 no.8:53-54 '65. (MIRA 18:11)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

BOGOLYUBOVA, A.P.

Potassium and calcium content of the blood in changes of the functional state of the cerebral cortex. Uch. zap. Stavr. gos. med. inst. 12:54-55 '63. (MIRA 17:9)

1. Kafedra normal'noy fiziologii (nauchnyy rukovoditel' prof. V.G. Budylin) Stavropol'skogo gosudarstvennogo meditsinskogo instituta.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

DAVLETSHINA, A.G.; BOGOLYUBOVA, A.S.

Controlling the termite Anacanthotermes turkestanicus Jacobs in the Golodnaya Steppe. Uzb. biol. zhur. no. 6:43-47 '60. (MIRA 14:2)

1. Institut zoologii i parazitologii AN UzSSR.
(GOLODNAYA STEPPE—TERMITES—EXTERMINATION)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

DAVLETSHINA, A.G.; BOGOLYUBOVA, A.S.

Termites in the Golodnaya Steppe and measures for their control. Mat. po proizv. sil. Uzb. no.15 456-462 '60. (MIRA 14:8)

1. Institut zoologii i parazitologii AN Uzkbeskoy SSR.
(Golodnaya Steppe—Termites—Extermination)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

BOGOLYUBOVA, A.V.

Using electrophotometric methods for the evaluation of water purity in pumping stations. Gig. i san. 25 no.3:87-89 Mr '60.
(MIRA 14:5)

1. Iz kafedry gigiyeny Leningradskogo pediatricheskogo meditsinskogo instituta.

(WATER--ANALYSIS)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

BOGOLYUBOVA, A.V.

Influence of treating cow's milk with cation exchange resin KU-1 on some of its hygienic indexes. Vop. pit. 20 no.6: 67-70 N-D '61. (MIRA 15:6)

1. Iz kafedry gigiyeny (zav. - prof. M.K. Markaryants) Leningradskogo pediatricheskogo meditsinskogo instituta.
(ION EXCHANGE RESINS--PHYSIOLOGICAL EFFECT)
(MILK)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

BOGOLYUBOVA, A.V.

Indicators of the freshness of milk mixtures for children (Cherny's mixture). Vop.pit.22 no.1:59-62 Ja-F'63
(MIRA 16:11)

1. Iz kafedry gigiyeny (zav. - prof. M.G.Markaryants) Leningradskogo pediatricheskogo instituta.

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

BOGOLYUBOVA, A.V.

Sanitary evaluation of milk mixtures for children. Vop. pit. 23 no.2:60-63 Mr-Ap '64. (MIRA 17:10)

1. Kafedra gigiyeny Leningradskogo pediatricheskogo meditsinskogo instituta.

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

BOGOLYUBOVA, A.V.

Determination of the mineral content in milk by flame photometry. Lab. delo no. 8:466-470 '64. (MIRA 17:12)

1. Kafedra gigiyeny (zaveduyushchiy - prof. M.G.Markaryants) Leningradskogo pediatricheskogo meditsinskogo instituta.

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

Bogolyubova B.P.

DUBROVSKIY, V.V., redaktor; KONYUSHKOV, A.M., redaktor; BELITSKIY, A.S., redaktor; BOGOLYUBOVA, B.P., redaktor; DUBROVSKIY, V.V., redaktor; ZHUKOV, A.I., redaktor; KOHPICHNIKOV, A.A., redaktor; KONYUSHOV, A.M., redaktor; KULICHIKHIN, N.I., redaktor; SEMENOV, M.P., redaktor; TURK, V.I., redaktor; TURCHINOV, V.T., redaktor; ROSSOVA, S.M., redaktor; GUROVA, O.A., tekhnicheskiy redaktor.

[Sinking, equipping and operating wells for the rural water supply; proceedings of the conference of May 18-22, 1954] Sooruzhenie, oborudovanie i ekspluatatsiia skvazhin dlia sel'skogo vodosnabzheniia; trudy Soveshchaniia 18-22 maia, 1954.goda. Moskva, Gos.nauchno-tekhn. izd-vo lit-ry po geol. i okhrane nedr.1955. 220 p. (MLRA 8:11)

1. Soveshchaniye po voprosam sooruzheniya i oborudovaniya burovykh skvazhin dlya sel'skogo khozyaystva, 1954.
(Wells) (Water supply, Rural)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

RIKARDO, D., dotsent; BOGOLYUBOVA, G., dotsent; KEROV, M.; ZOLOTINA, V.; SHISHOVA, I.

Seventieth birthday of Professor N.B.TSirel'son. Mias.ind. SSSR 33 [i.e.34] no.2:18 '63. (MIRA 16:4)
(TSirel'son, Noi Borisovich, 1893-)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

BOGOLYUBOVA, G.F.; BOGOLYUBOV, A.N.

Some characteristics of the distribution of ore bodies in the phlogopite zones of the Aldan Plateau based on combined geological and geographical surveying data and problems of prospecting for blind mica-bearing zones. Zakonom. razm. polezn. iskop. 6:403-419 '62. (MIRA 16:6)

1. Yakutskoye geologicheskoye upravleniye.
(Aldan Plateau--Phlogopite)
(Aldan Plateau--Prospecting)
(Aldan Plateau--Mica)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

TSIREL'SON, N.B., prof.; BOGOLYUBOVA, G.V., dotsent; LISITSYN, Yu.P., dotsent; RIKARDO, D.I., dotsent; KEROV, M.A.; starshiy prepodavatel'; YEMEL'YANOV, V.P., assistent; ZOLOTINA, V.A. assistent

Methods for improving the transportation and keeping of cattle before slaughtering at meat combines. Zhivotnovodstvo 23 no.6:25-27 Je '61. (MIRA 16:2)

1. Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy promyshlennosti (for Yemel'yanov, Zolotina).
(Slaughtering and slaughterhouses) (Beef cattle--Transportation)

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L 14316-65 EPF(n)-2/EWT(m)/EWP(b)/EWP(t) Pu-4 DIAAP/ASD(f)-2/
ASD(m)-3 JD/JG/MLK
ACCESSION NR: AT4048058 S/0000/64/000/000/0109/0114

AUTHOR: Shinyayev, A. Ya., Akopyan, V.O., Sokiryanskiy, L.F., Bogolyubova, I.V.

TITLE: Determination of the characteristics of mutual diffusion of titanium and molybdenum according to the attenuation of gamma radiation

SOURCE: Soveshchaniye po metallurgii, metallovedeniyu i primeneniyu titana i yego splavov. 5th, Moscow, 1963. Metallovedeniye titana (Metallography of titanium); trudy* soveshchaniya. Moscow, Izd-vo Nauka, 1964, 109-114

TOPIC TAGS: molybdenum diffusion, gamma ray attenuation, interdiffusion coefficient, interdiffusion energy, titanium diffusion, titanium alloy

ABSTRACT: The interlocking of molybdenum with titanium or its alloys was determined by recording the attenuation of gamma irradiation during passage through various parts of the diffusion zone. Annealed Ti and the Mo specimen were pressed together, followed by annealing at various temperatures (905-1210C) for 7-240 hours. From a typical curve of a specimen annealed at 1100C for 40 hours it may be seen that the irradiation intensity decreased by a factor of 15 during passage. The formula relating the relative radiation intensity to the initial value and to the concentration of the components in the

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binary system is presented. This is transformed to yield an equation for titanium concentration as determined by the intensity of the rays as they pass through each part of the specimen:

$$c_{Ti}(x) = 200\,\frac{19{,}11 - \sqrt{104{,}2 - \frac{1}{b}\ln\frac{I(x)}{I_{Ti}}}}{28{,}01 - \sqrt{104{,}2 - \frac{1}{b}\ln\frac{I(x)}{I_{Ti}}}}. \qquad (1)$$

where c_{Ti} is the titanium concentration, x - the position of micro-part to be analyzed, relative to the diffusion zone, b - the thickness of the specimen in cm, and I - the intensity of radiation in counts/min. The diffusion constants were calculated by statistical estimation (straightening of the experimental concentration curve). The results of this calculation showed that at concentrations of 50-90 at. % Ti the coefficient of mutual diffusion D_{md} remains practically constant for a given temperature. Only at

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concentrations of 90-98 at. % Ti was a significant increase in this coefficient observed. In the molybdenum range (100-50% Mo), the value of D_{md} was independent of the Mo concentration. The interdiffusion energy was found to be 41 Kcal/mole, D_o at about $5.6.10^{-3}$ cm^2/sec. The rays passing through the Mo region were attenuated so much that the accuracy of the D_{md} value was decreased considerably. The activation energy was much higher here than in the Ti region. These results agree with earlier findings for small amounts of Mo. As the temperature increased from 905 to 1210C, the coefficient of mutual diffusion (cm^2/sec.) increased from 1.5 to 55 + 10^{-10} in the titanium zone and up to 2.8C 10^{-8} in the molybdenum zone. "The authors wish to thank Professor S. S. Mozhayev, Doctor of Technical Sciences, for his assistance with the mathematical part of the work; L. G. Maksimova also helped with the calculations." Orig. art. has: 6 formulas, 7 figures and 1 table.

ASSOCIATION: none

SUBMITTED: 15Jul64 ENCL: 00 SUB CODE: MM

NO REF SOV: 001 OTHER: 004

Card 3/3

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

[redacted]

[illegible] I. V.

"[illegible] of the [illegible]tion of the Transverse Circulation [illegible] the [illegible]nling of a Stream", Trudy IGI, No 8 (62), 1958 (37-39)

SO: U-3099, 11 Mar 1959

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

BOGOLYUBOVA, Irina Vladimirovna; ZAYKOV, B.D., doktor geograficheskikh nauk, redaktor; SHATILINA, M.K., redaktor; BRAYNINA, M.I., tekhnicheskiy redaktor

[Eroding streams and their extension over the territory of the U.S.S.R.] Selevye potoki i ikh rasprostranenie na territorii SSSR. Pod red. B.D.Zaikova. Leningrad, Gidrometeor. izd-vo, 1957. 150 p. (Erosion) (MLRA 10:10)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

BOGOLYUBOVA, I. V., M. M. AYZENBER, V. Ye. IOGANSON, S. P. KAVETSKOY and others

Reported on the study of flood waters and oncatastrophic floods in mountainous districts.

report presented at the 3rd All-Union Hydrological Congress, 7-17 Oct 1957, Leningrad.

(Izv. Ak Nauk SSSR, ser geograf., 3, pp3-9, '58)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

BOGOLYUBOVA, I.V.; KUCHMENT, L.S.

Study of the sinking velocity in media of different density and viscosity. Trudy GGI no.86:35-42 '60. (MIRA 14:4)

(Sedimentation and deposition)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

BOGOLYUBOVA, I.V.

Methodology of studying the flow of suspended sediments in mountain rivers. Trudy GGI no.100:26-39 '63. (MIRA 16:9)
(Sedimentation and deposition)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

KEMALADZE, Grigoriy Nikolayevich; YEGIAZAROV, I.V., akademik, retsenzent; LOPATIN, G.V., doktor geogr. nauk, retsenzent; LISITSYNA, K.N., nauchn. sotr., retsenzent; BOGOLYUBOVA, I.V., nauchn. sotr., retsenzent; KHERKHEULIDZE, I.I., red.; CHEPELKINA, L.A., red.

[Suspended sediments of the rivers of the Armenian S.S.R.] Vzveshennye nasosy rek Armianskoi SSR. Leningrad, Gidrometeoizdat, 1964. 245 p. (MIRA 17:9)

1. Laboratoriya nanosov Gosudarstvennogo gidrologicheskogo instituta (for Lisitsyna, Bogolyubova).

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

LESITSYNA, K.N.; BOGOLYUBOVA, I.V.

Study of th. sediment discharge of brooks. Trudy GGI no.111:5-33 '64. (MIRA 17:6)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

BOGOLYUBOVA, I.V.; KUDRYASHOV, A.F.

Method of calculating the bed-load transport by an overall method on the basis of sediments in settling installations. Trudy GGI no.111:143-155 '64. (MIRA 17:6)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

ARONOVICH, M.A.; BOGOLYUBOVA, I.Yu., redaktor; ARISTOV, I.A., laureat Stalinskoy premii, inzhener, retsenzent; ZELIKSON, M.Z., inzhener, retsenzent; SAKSAGANSKIY, T.D., redaktor; KNYAZEV, V.I., tekhnicheskiy redaktor.

[Increasing the output per machine and unit of space; hidden potentialities in the use of equipment and area of a machine building plant] Uvelichenie s"yema produktsii s oborudovaniia i ploshchadei; rezervy ispol'zovaniia oborudovaniia i ploshchadei na mashinostroitel'nom zavode. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1955. 102 p. (MLRA 8:11)
(Machinery industry)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

BOGOLYUBOVA, I.YU.

SERGEYEV, A.V.; VOL'SKIY, V.S., inzhener, retsenzent; AKSARIN, D.I. inzhener, retsenzent; GAL'TSOV, A.D., inzhener, redaktor; SAKSAGANSKIY, T.D., redaktor; BOGOLYUBOVA, I.Yu., redaktor; TIKHONOV, A.Ya., tekhnicheskiy redaktor.

[Technical norms in machine-shops] Tekhnicheskoe normirovanie v mekhanicheskikh tsekhakh. Izd.2-e, perer. i dop.Moskva, Gos. nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1955. 231 p.(MLRA 8:11)
(Machine-shop practice)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

BOGOLYUBOVA, I.Yu., redaktor izdatel'stva; UVAROVA, A.F., tekhnicheskiy redaktor

[Norms for cutting operations with drills of tool steel; high-speed, alloyed, carbon] Normativy po reshimam rezaniia sverlami iz instrumental'noi stali; bystrorezhushchei, legirovannoi i uglerodistoi. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1956. 53 p. (MLRA 9:12)

1. Russia (1923- U.S.S.R.) Ministerstvo stankostroitel'noy i instrumental'noy promyshlennosti. Nauchno-issledovatel'skoye byuro tekhnicheskikh normativov.
(Drilling and boring)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

BOGOLYUBOVA, I.Yu.

BYALKOVSKAYA, Vera Sergeyevna; RUSANOV, Fedor Fomich; ZALESSKIY, V.I., professor, retsenzent; LAPSHIN, V.A., inzhener, retsenzent; MYKHENVAL'D, A.V., kandidat ekonomicheskikh nauk, redaktor; BOGOLYUBOVA, I.Yu., redaktor izdatel'stva; MODEL', B.O., tekhnicheskiy redaktor; MATVEYEVA, Ye.N., tekhnicheskiy redaktor

[The economics of a new-type forge shop] Ekonomika kuznitsy novogo tipa. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1956. 145 p. (MLRA 9:12)
(Forging)

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KORZUN, Petr Petrovich; SLODKEVICH, Natal'ya Ivanovna; SATEL', E.A., professor, doktor tekhnicheskikh nauk; GORENSHTEYN, B.I., inzhener, retsenzent; METT, G.Ya., dotsent, redaktor; BOGOLYUBOVA, I.Yu., redaktor izdatel'stva; MATVEYEVA, Ye.N., tekhnicheskiy redaktor

[Planning operations and production in machine building plants; opranization by work schedules] Operativno-proizvodstvennoe planirovanie na mashinostroitel'nom zavode; organizatsiia raboty po grafiku. Pod red. E.A.Satelia. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1956. 191 p. (MLRA 9:12)
(Efficiency, Industrial) (Machinery industry)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

BOGOLYUBOVA, I. Yu.

KOROSTELEVA, Yekaterina Mikhaylovna; ROZENBLIT, Ya.M., inzhener, retsenzent; SIROTIN, M.A., inzhener, redaktor; BOGOLYUBOVA, I.Yu., redaktor izdatel'stva [deceased]; UVAROVA, A.F., tekhnicheskiy redaktor

[Economics, organization and design of machine shops] Ekonomika, organizatsiia i proektirovanie mekhanicheskikh tsekhov. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1957. 195 p.
(Machine shops) (MIRA 10:10)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

BOGOLYUBOVA, I. Yu.

EYKHENVAL'D, Aleksandr Vil'gel'movich; SOCHINSKIY, Aron Ruvimovich; BILINKIS, M.S., inzhener; retsenzent; ZAKHAROV, M.Z., inzhener, retsenzent; LETENKO, V.A., kand.ekonom.nauk, dotsent, red.; BOGOLYUBOVA, I.Yu., [deceased], red.izdatel'stva; SOKOLOVA, T.F., tekhn.red.

[Operation and production planning and dispatching in machinery manufacture plants] Operativno-proizvodstvennoe planirovanie i dispetchirovanie na mashinostroitel'nom zavode. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1957. 247 p. (MIRA 10:10)
(Machinery industry)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

BOGOLYUBOVA, L.A.

Incidence of primary neuropsychiatric disease among the population of Stavropol Territory. Trudy Gos.nauch.-issl.inst.psikh. 27:353-358 '61. (MIRA 15:10)

1. Stavropol'skaya krayevaya psikhonevrologicheskaya bol'nits. Glavnyy vrach - dotsent A.Ya.Dorsht.
(STAVROPOL TERRITORY--MENTAL ILLNESS)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

BOGOLYUBOVA, L.A., assistent

Psychotic variants of progressive paralysis treated with inoculations of laboratory cultures of the agents of Caucasian tick-borne relapsing fever. Uch. zap. Stavr. gos. med. inst. 12:414-415 '63. (MIRA 17:9)

1. Kafedra psikhiatrii (zav. dotsent A.Ya. Dorsht) Stavropol'skogo gosudarstvennogo meditsinskogo instituta.

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BOGOLYUBOVA, L. I.

USSR/Geology - Coal Sep/Oct 49
Petrography

"Mineral Inclusions in Coals of the Yermakovskiy Formation of the Kuznets Basin," L. I. Bogolyubova, 12 pp

"Iz Ak Nauk SSSR, Ser Geol" No 5

Different petrographic types of coals contain different types of mineral inclusions, connected with their genesis: (1) Bright clarain coals are characterized by mineral inclusions of chemical derivation as siderite (2) Semidull clarain-durain and durain coals contain clastic minerals, chiefly quartz. Minerals of chemical derivation, as calcite and chalcedony, are found in average or small quantity; siderite and pyrite are completely absent. (3) Semibright durain-clarain coals have an average amount of clastic material, chiefly quartz, and an average or slightly less quantity of calcite. Siderite, pyrite, and chalcedony are observed in very small quantities.

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

BOGOLYUBOVA, L. I.

USSR/Minerals - Coal Nov/Dec 51

"Genetic Types of Mid-Carboniferous Coals in Southwest Donbass," L. I. Bogolyubova and B. S. Yablokov.

"Iz Ak Nauk SSSR, Ser Geol" No 6, pp 110-119

Authors outline genetic characteristics of Donbass coals on basis of petrographic research in Dobropolsk, Krasnoarmeysk and Kurakhov regions in southwest Donbass. The work is an outgrowth of complex investigations of carboniferous formations of Donets Basin, performed under direction of Yu. A. Zhemchuzhnikov.

205T88

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

BOGOLYUBOVA, L. I.

PA 241T52

USSR/Geophysics - Carboniferous Nov/Dec 52

"Problem of the Study of Anthracite Coal of High Degrees of Carbonification," L. I. Bogolyubova, A. Ya. Kraynyukova and L. Ye. Shterenberg

"Iz Ak Nauk SSSR, Ser Geol" No 6, pp 127-129

Discuss investigation of the geology of coal and carbonification under the guidance of Yu. A. Zhemchuzhnikov, in which authors developed procedures for studying the various grades of coal (coking, lean, etc.) and also indicated possibilities of obtaining transparent microsections of these coals.

241T52

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

BOGOLYUBOVA, L. I.

Dissertation: "Genetic Types of Clarian Coal of the Middle Carboniferous of the Donbass." Cand Geol-Min Sci, Inst of Geological Sciences, Acad Sci USSR, 3 Jun 54. Vechernyaya Moskva, Moscow, 25 May 54.

SO: SUM 284, 26 Nov 1954

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

Bogolyubova, L.I.

YABLOKOV,V.S.; BOGOLYUBOVA,L.I.; KALINENKO,V.V.; INOSOVA,K.I.; ISHCHENKO, A.M.; ZHEMCHUZHNIKOV,Yu.A., redaktor; NOSOV,G.I., redaktor; KISELEVA, A.A., tekhnicheskiy redaktor

[Atlas of the microstructure of the coals of the Donets Basin] Atlas mikrostruktur uglei Donetskogo basseina. Pod red. V.S.IAblokova i IU.A.Zhemchuzhnikova. Moskva, Izd-vo Akademii nauk SSSR, 1955. 41 p. (Donets Basin--Coal) (MLRA 9:1)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

15-57-4-5062

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 4, pp 142-143 (USSR)

AUTHOR: Bogolyubova, L. I.

TITLE: Genetic Types of the Middle Carboniferous Clarain Coals in the Donbass (Geneticheskiye tipy klarenovykh ugley srednego karbona Donbassa)

PERIODICAL: Tr. Labor. geol. uglya AN SSSR, 1956, Nr 6, pp 226-241

ABSTRACT: A petrographic analysis of the two genetic types of the Donbas coal is given. These types are the clarain with xylovitrain-vitrain jelled substance, and the clarain with homogeneous jelled substance. The first type is characterized microstructurally by the xylovitrain-vitrain nature of its jelled substance made up of decayed vegetable tissue fragments which have not passed through the liquid state, and by the

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Genetic Types of the Middle Carboniferous Clarain Coals (Cont.)

xylovitrain-vitrain basic mass. The second type is characterized by homogeneous structure of jelled substance which is represented by a transparent basic mass produced by a complete decomposition of plant material in the process of jellification. At a given stage of coal fixation, coal of the first type, when compared with that of the second type, exhibits: 1) a greater yield of volatile substances; 2) a better caking capacity; 3) a higher sulfur content; 4) greater heating value. The yield of volatile substances in Donbas coals is associated both with degree of metamorphism and with genetic type. Coal of the first genetic type (Donets Coal Institute classification) is "more completely reduced," while coal of the second type is "less completely reduced." The distribution of the two types of coal in the coal strata follows a regular pattern. Each type either composes the entire coal stratum or is associated with its upper of its lower half. Both types of coal were formed in very wet swamps; however, in coal of the first type decomposition of the plant material occurred in a short time while in coal of the second type, decomposition occurred over a longer period.

L. I. B.

Card 2/2

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

BOGOLYUBOVA, L.I.

Determining the degree of metamorphism and the grade of clarain coals by the petrographic method using thin polished sections. Izv.AN SSSR. Ser.geol. 21 no.7:61-71 Jl '56. (MIRA 9:10)

1. Geologicheskiy institut Akademii nauk SSSR, Moskva.
(Coal--Analysis)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

ZHEMCHUZHNIKOV, Yu.A.; YABLOKOV, V.S.; BOGOLYUBOVA, L.I.; BOTVINKINA, L.N.; FEOFILOVA, A.P.; RITENBERG, M.I.; TIMOFEYEV, P.P.; TIMOFEYEVA, Z.V.; KROPOTKIN, P.N., red.izd-va; SHEVCHENKO, G.N., tekhn.red.

[Structure and factors determining the accumulation of basic coal-bearing series and layers in the central Carboniferous of the Donets Basin. Part 1.] Stroenie i usloviia nakopleniia osnovnykh uglenosnykh svit i ugol'nykh plastov srednego karbona Donetskogo basseina. Moskva, Izd-vo Akad. nauk SSSR, 1959. 331p. (Akademiia nauk SSSR. Geologicheskii institut. Trudy, no.15) (MIRA 12:6)

(Donets Basin--Coal geology)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

Bogolyubova, L. I.

11(7) PHASE I BOOK EXPLOITATION SOV/2996

Akademiya nauk SSSR. Institut geografii iskopayemykh

Genezis tverdykh goryuchikh iskopayemykh (Genesis of Solid Fuels) Moscow, AN SSSR, 1959. 358 p. Errata slip inserted. 2,000 copies printed.

Sponsoring Agency: Vsesoyuznoye khimicheskoye obshchestvo im. D. I. Mendeleyeva. Mekhovskoye otdeleniye.

Resp. Eds.: I. M. Karavayev, Corresponding Member, USSR Academy of Sciences, and N. G. Titov, Doctor of Chemical Sciences; Ed. of Publishing House: A. L. Bashkirtsev; Tech. Ed.: I. F. Kan'kina.

PURPOSE: This collection of articles is intended for geochemists, geologists, and other specialists interested in the genesis of solid mineral fuels.

COVERAGE: The collection of papers on the genesis of solid mineral fuels has been prepared for presentation at the 2nd All-Union Conference on this subject. The formation of humic acids and peat from the decomposition of microorganisms and plants is discussed in connection with studies on the origin of hard coal and brown coal and on the role of certain mineral components in the coal-forming process. The chemical composition of peat and the organic mass of coal is analyzed and shown in a number of tables. Miocene "bituminite" oil shales are analyzed as are the brown coals of the Dneprovskiy basin. Metamorphism and carbonization of coal found in different parts of the Ural and the Ukrainian SSR are also discussed. The transformation of peat matter into combustible minerals is analyzed. References accompany individual articles.

Kazakevich, Ye. F. Genesis of Miocene Bituminite Oil Shale 69

Fomina, A. S. On the Question of the Origin of Baltic Bituminite Oil Shale 77

Karavayev, I. M., and I. A. Tikhon. Lignite and Initial Stages of Coal Formation 86

Sydrovnya, V. F. Origin of Brown Coal Found in the Dneprovskiy Basin of the Ukrainian SSR 106

Chernousov, Ya. M. Irregular Carbonization of Mesozoic Coal Found on the Eastern Flank of the Central and Northern Urals 121

Bogolyubova, L. I. Petrographic and Chemical Characteristics of Some Types of Coal From Volchanskoye and Bogoslovskoye Deposits 137

Kirpichev, I. V. Conditions of Formation of Slightly Carbonized Coal From Southern Ural Brown Coal Beds 153

Kirpichev, V. A. Metamorphism of Brown Coal From Bogoslovskoye and Veselovskoye Deposits of the Eastern Flank of the Northern Urals 160

Kiselev, A. I. Geologic Conditions of Transformation of Coal Substance in the Southeastern Part of the Russian Platform 165

Grigor'yev, M. Th. Some Possible Conditions Under Which Coal Strata Could Have Been Formed at the Mammoth Basin 180

Lebedev, B. S. Evolution of Humic Coal During Metamorphism 189

Shpenkov, I. Ye. Changes in Microscopic Characteristics of Clarain Coal of the Donbass During Metamorphism 198

Kalinenko, V. V. Genesis of Jurassic Coal at Tuva 221

Gebler, I. V. Organic Sulfur in Coal 241

Kazatochkin, V. I. Some General Physical and Chemical Questions Concerning the Coal-forming Process 247

Panov, B. I. Characteristics of the Process of Transformation of Parent Matter Into Present Combustible Minerals and the Connection of These Characteristics With the Principal Properties of Combustible Minerals 268

Ammosov, I. I., Genetic Features of the Coal Substance as Ascertained by Petrographic Findings 295

Koberle, V. I. Chemical Nature of the Basic Organic Lens of Hard and Brown Coal and Changes During Metamorphism 309

Rukhavetskiy, T. A. Changes in the Structure and Properties of Humic Acids During the Coal-forming Process 319

Titov, N. G. Role of Mineral Elements in the Coal-forming Process 338

Kaminskiy, V. S., A. L. Rabinovich, and A. Z. Pavlovskiy. Genesis of Organic Sulfurous Compounds Contained in Coal 344

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

3(0) SOV/20-125-2-38/64

AUTHOR: Bogolyubova, L. I.

TITLE: On the Problem of the Degree of Carbonization and the Stages of Formation of Brown Coals (K voprosu o stepenyakh uglefikatsii i stadiyakh ugleobrazovaniya burykh ugley)

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 125, Nr 2, pp 372-375(USSR)

ABSTRACT: Both Soviet and foreign scientific publications have so far failed to present data on the changes of lignite during the coalification process. The paper under consideration submits the results of an investigation of lignite and recent peat (director of the works - V. S. Yablokov). Tertiary coals of the Yermolayevskoye deposit (Bashkiriya), Jurassic coals (Volchanskoye, Bogoslovskoye deposits and Chelyabinsk basin), Lower-Carboniferous coals (Podmoskovnyy basin), and recent, highly decomposed peat from the Moscow area were used for purposes of this investigation. It was found that the petrographic method (Ref 1 - for bituminous coals) does not furnish satisfactory results in the determination of the degree of carbonization of lignites. The majority of lignites - the hard ones - evaded classification (Table 1). The most efficient method is that of measuring the vitrain refraction indices (Ref 2), improved by N. M. Krylova (Ref 3), although the dependence concerned had been detected on an earlier occasion (Refs 7, 8).

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On the Problem of the Degree of Carbonization and the Stages of Formation of Brown Coals

Table 1 shows that the coals of each individual deposit are characterized by a certain value of said index. On the basis of the material investigated 5 carbonization can be identified: 1) peat, 2) soft lignite, 3) to 5) hard lignites. This division into 5 groups is proved right by chemical characteristics (method according to references 4, 5). It was found that with increased lignite carbonization the coagulation threshold of humic acid is lowered, the optical densities of these acids are raised, and their yields are reduced subject to certain rules. The three last-mentioned values may also serve as objective parameters for the determination of the coalification group in a series of identical petrographic composition. All of the 5 carbonization stages are clearly revealed by infrared absorption spectra (photographed by O. I. Zil'berbrant, Institut goryuchikh iskopayemykh AN SSSR = Institute of Combustible Minerals, AS USSR). These groups can be assigned to 2 stages of coal formation (Table 1): I) Peat and soft lignite. To it the term diagenesis stage can be applied (Ref 6). II) Contains 3 groups of hard lignites. It may be termed epigenesis. Descriptions are given of either stage.

Card 2/3 The clarain substance of the hard lignite was modified by the

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On the Problem of the Degree of Carbonization and the Stage of Formation of Brown Coals

action of pressure and temperature, as compared with the clarain substance of peat and of soft lignite. Thus the characteristics of hard lignite are the result, not only of biochemical, but also of physico-chemical processes taking place below the surface and resulting in the formation of a coal which in its properties corresponds to a lithified rock. There are 1 table and 8 references, 6 of which are Soviet.

ASSOCIATION: Geologicheskiy institut Akademii nauk SSSR
(Geological Institute of the Academy of Sciences, USSR)

PRESENTED: November 19, 1958, by N. M. Strakhov, Academician

SUBMITTED: November 12, 1958

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YABLOKOV, V.S.; BOGOLYUBOVA, L.I.

"Brown coal formation in the lower Rhine Valley." Reviewed by V.S.IAblokov, L.I.Bogoliubova. Izv.AN SSSR.Ser.geol. 24 no.12:104-106 D '59. (MIRA 13:8)
(Rhine Valley--Coal geology)

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BUSHINSKIY, G.I.; BOGOLYUBOVA, L.I.

Concretions of phosphatized bauxites from the lower Jurassic coal seam near Karpinsk in the Northern Urals. Izv.AN SSSR.Ser. geol. 25 no.1:49-55 Ja '60. (MIRA 13:8)

1. Geologicheskiy institut AN SSSR, Moskva.
(Karpinsk region--Bauxite)

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YABLOKOV, V.S.; BOGOLYUBOVA, L.I.

Humic coal and structural types of certain Mesozoic thick beds.
Izv. AN SSSR. Ser. geol. 25 no.5:49-59 My '60. (MIRA 13:10)

1. Geologicheskiy institut AN SSSR, Moskva.
(Coal geology)

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GUDZHEDZHIANI, B.I.; CHICHUA, B.K.; PETROVSKIY, G.D.; KOMETIANI, G.A.; AZMAYPARASHVILI, M.V.; AVALISHVILI, E.Ye.[deceased]; MIRZIASHVILI, T.M.; SHCHERBAKOV, D.I., glav.red.; ARCHVADZE, Sh.R., red.; BOGOLYUBOVA, L.I., red.; VAL'TS, I.E., red.; TAVADZE, F.N., red.; YABLOKOV, V.S., red.; PEVZNER, G.Ye., red.izd-va; MAKUNI,Ye.V., tekhn. red.

[Coal atlas of the Caucasus] Atlas uglei Kavkaza. By B.I.Gudzhedzhiani i dr. Moskva, Izd-vo Akad.nauk SSSR, 1961. 167 p. (MIRA 14:12)

1. Akademiya nauk Gruzinskoy SSR, Tiflis. Sovet po izucheniyu proizvoditel'nykh sil.

(Caucasus—Coal geology)

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TIMOFEYEV, P.P.; BOGOLYUBOVA, L.I.; KOSOVSKAYA, A.G.; PORFIR'YEV, V.B.

International conference and the 4th International Congress on the Coal Petrology. Izv.AN SSSR.Ser.geol. 27 no.3:132-135 Mr '61. (MIRA 15:2)

(Coal—Congresses)

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TIMOFEYEV, P.P.; BOGOLYUBOVA, L.I.; YABLOKOV, V.S.

Principles of a genetic classification of humic coals.
Izv.AN SSSR. Ser.geol.27 no.2:49-63 F '62. (MIRA 15:1)

1. Geologicheskiy institut AN SSSR, Moskva.
(Coal—Classification)

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BOGOLYUBOVA, L.I.

Structural features of the Tolstyy coal seam in the Tkibuli coal deposit. Izv. AN SSSR. Ser.geol. 27 no.6:73-83 Je '62. (MIRA 15:5)

1. Geologicheskiy institut AN SSSR, Moskva.
(Transcaucasia--Coal geology)

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TIMOFEYEV, P.P.; BOGOLYUBOVA, L.I.

Degree of decay of vegetable matter as an indicator of tectonic conditions in the zone of peat accumulation. Dokl.AN SSSR 144 no.4:896-899 Je '62. (MIRA 15:5)

1. Geologicheskiy institut AN SSSR. Predstavleno akademikom A.L. Yanshinym.

(Coal geology) (Geology, Structural)

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TIMOFEYEV, P.P.; BOGOLYUBOVA, L.I.

Vitrain carbonification features in rocks and coals of the Angren coal deposit. Dokl. AN SSSR 151 no.4:938-941 Ag '63. (MIRA 16:8)

1. Geologicheskiy institut AN SSSR. Predstavleno akademikom D.I.Shcherbakovym.

(Angren Basin--Coal geology)

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TIMOFEYEV, P.P.; BOGOLYUBOVA, L.I.

Sessions of the International Commission of Coal Petrographic Analysis and Coal Petrographic Nomenclature. Izv. AN SSSR. Ser. geol. 28 no.7:109-112 Jl '63. (MIRA 16:12)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

TIMOFEYEV, P. P.; BOGOLYUBOVA, L. I.

Meeting of the International Commission for Coal Petrology Nomenclature. Izv AN SSSR Ser geo. 29 no. 5:116-120 My '64. (MIRA 17:5)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

TIMOFEYEV, P.P.; BOGOLYUBOVA, L.I.; YABLOKOV, V.S.

Some problems of the genetic classification and terminology of humic coals; concerning A.I. Ginzburg's critical remarks. Izv. AN SSSR Ser. geol. 29 no.7:98-104 Jl '64 (MIRA 18:1)

1. Geologicheskiy institut AN SSSR, Moskva.

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BOGOLYUBOVA, L. S.

BOGOLYUBOVA, L. S.: "An approximate method of calculating the distribution of a temporary load among the main beams of a bridge taking into account the resistance of the span structure to twisting." Min Higher Education USSR. Moscow Automobile and Road Inst imeni V. M. Molotov. Moscow, 1955. (Dissertation for the Degree of Candidate in Technical Sciences).

Source: Knizhnaya letopis' No. 28 1956 Moscow

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NOROKHA, Yu.M.; LUBYANOV, I.P.; BOGOLYUBOVA, M.M.

Results of studying an electrochemical technique for protecting water conduits from Dreissena and corrosion. Elek. sta. 36 no.8:29-33 Ag '65. (MIRA 18:8)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

CA Bogolyubova, N.S.

10

Humic acid of estuary mud and its biological value. V. A. Biber and N. S. Bogolyubova. *Doklady Akad. Nauk S.S.S.R.* 82, 939–42(1952).—Humic acid sepd. from the mud of the Luyal'nitskii estuary (near Odessa) by treatment with HCl, washing with H_2O, preferably in CO_2 atm., and extn. with 1% alkali at 70° and pptn. with HCl contains 5.1–5.6% total N, 1.1–1.3% amino N. This compares with values found in chernozem soil. The product acts as a mild stimulant for wound healing (rabbits) and a mild accelerator of growth and development of corn plants from the grain. G. M. Kosolapoff

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S/270/63/000/002/018/020
A001/A101

The solution of the main geodetic problem by...

$A_{2,1}$ is determined. B. The solution of the inverse geodetic problem. 1) Increments of rectangular coordinates of points 1 and 2 are determined in the Gauss' equiangular transverse-cylindrical projection. 2) The obtained coordinates of point 2 are transformed into Lambert-Gauss' coordinates. 3) The α and d of the chord subtending the image of the geodetic line are determined from Lambert-Gauss' coordinates of points 1 and 2. 4) The $\delta_{1,2}$, $\delta_{2,1}$ and (d-S) values are determined. 5) The drawing together of meridians in Lambert-Gauss' projection is calculated. 6) The values of $A_{1,2}$, $A_{2,1}$ and S are determined.

N. Bogolyubova

[Abstracter's note: Complete translation]

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

BOGOLYUBOVA, N.S., dotsent, kand.tekhn.nauk

Lengths and azimuths and the corresponding geodesics. Izv.vys. ucheb.zav.; geod.i aerof. no.4:19-25 '62. (MIRA 16:2)

1. Omskiy sel'skokhozyaystvennyy institut imeni S.M. Kirova.
(Coordinates)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

MIKHNEVICH, Grigoriy Vasil'yevich, dots.; RYAZANOV, Viktor Pavlovich, dots.; SIBIRYAKOVA, Aleksandra Dmitriyevna, dots. Prinimali uchastiye: BATRAKOV, Yu.G., dots.; VITMAN, A.I., dots.; YUNOSHEV, L.S., aspirant; KOROBOCHKIN, M.I., assistent; NEKHOROSHEV, M.Ye., retsenzent; BOGOLYUBOVA, N.S., retsenzent; NIKOLENKO, N.F., retsenzent; CHERNUKHIN, L.S., retsenzent; NESHCHADIMOV, L.S., retsenzent; LARCHENKO, Ye.G., prof., red.

[Surveying] Geodeziia. Moskva, Nedra. Pt.2., 1964. 338 p. (MIRA 17:12)

1. Zamestitel' nachal'nika Upravleniya sel'skokhozyaystvennykh aerofotos"yemok (for Nekhoroshev). 2. Kafedra vysshey geodezii Omskogo sel'skokhozyaystvennogo instituta (for Bogolyubova, Nikolenko, Chernukhin, Neshchadimov).

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

L 31356-65 EWT(1) GW

ACCESSION NR: AR5005129 S/0270/65/000/001/0040/0040

AUTHOR: Bogolyubova, N. S.

SOURCE: Ref. zh. Geodesy. Otd. vyp., Abs. 1.52.278

TITLE: Transformation of rectangular coordinates of some equal-angle projections

CITED SOURCE. Tr. Omskogo s.-kh. in-ta, v. 55, no. 2, 1964, 18-27

TOPIC TAGS: stereographic projection, cartography

TRANSLATION: Formulas are considered for the connection between rectangular coordinates of equal-angle projections (transverse-cylindrical Gauss projection, stereographic Russil projection, and [illegible] Lambert projection). To convert [illegible] coordinates into Lambert coordinates [illegible] formulas employed are formulas of W. K. [illegible]

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L 31356-65

ACCESSION NR: AR5005129

Vermessungswesen, 1935). In this paper these formulas are reduced to a simpler form, that ensures the recalculation of the Gauss coordinates into stereographic coordinates and vice versa with errors not more than 2--3 mm. Formulas are also obtained [illegible] of Gauss coordinates into Lambert coordinates and vice versa, with errors to 2--3 mm:

$$x_c = x + A_2 a_2 + A_4 a_4;\quad y_c = y + A_2 b_2 + A_4 b_4;$$
$$x = x_c + B_2 (a_2)_c + B_4 (a_4)_c + B_7 (a_7)_c;$$
$$y = y_c + B_2 (b_2)_c + B_4 (b_4)_c + B_7 (b_7)_c;$$
$$x_A = x + C_3 a_3 + C_4 a_4 + C_5 a_5 + C_6 a_6 + C_7 a_7;$$
$$y_A = y + C_3 b_3 + C_4 b_4 + C_5 b_5 + C_6 b_6 + C_7 b_7;$$
$$x = x_A + D_2 (a_2)_A + D_4 (a_4)_A + D_5 (a_5)_A + D_6 (a_6)_A + D_7 (a_7)_A;$$
$$y = y_A + D_2 (b_2)_A + D_4 (b_4)_A + D_5 (b_5)_A + D_6 (b_6)_A + D_7 (b_7)_A.$$

Here x and y -- Gauss coordinates, the indices c and A pertain respectively to Russil stereographic coordinates and Lambert coordinates.

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L 31356-65

ACCESSION NR: AR5005129

To facilitate the calculations, tables are compiled of the coefficients A_i, B_i, C_i, and D_i, which depend on the latitude of the point chosen to be the origin, and tables of the quantities a_i and b_i, which depend on the recalculated rectangular coordinates. In all the calculations of the present work it is assumed that the greatest distance from the recalculated points to the origin does not exceed 350 km. Bibliography, 10 titles. N. Bogolyubova.

SUB CODE: ES,MA ENCL: 00

Card 3/3

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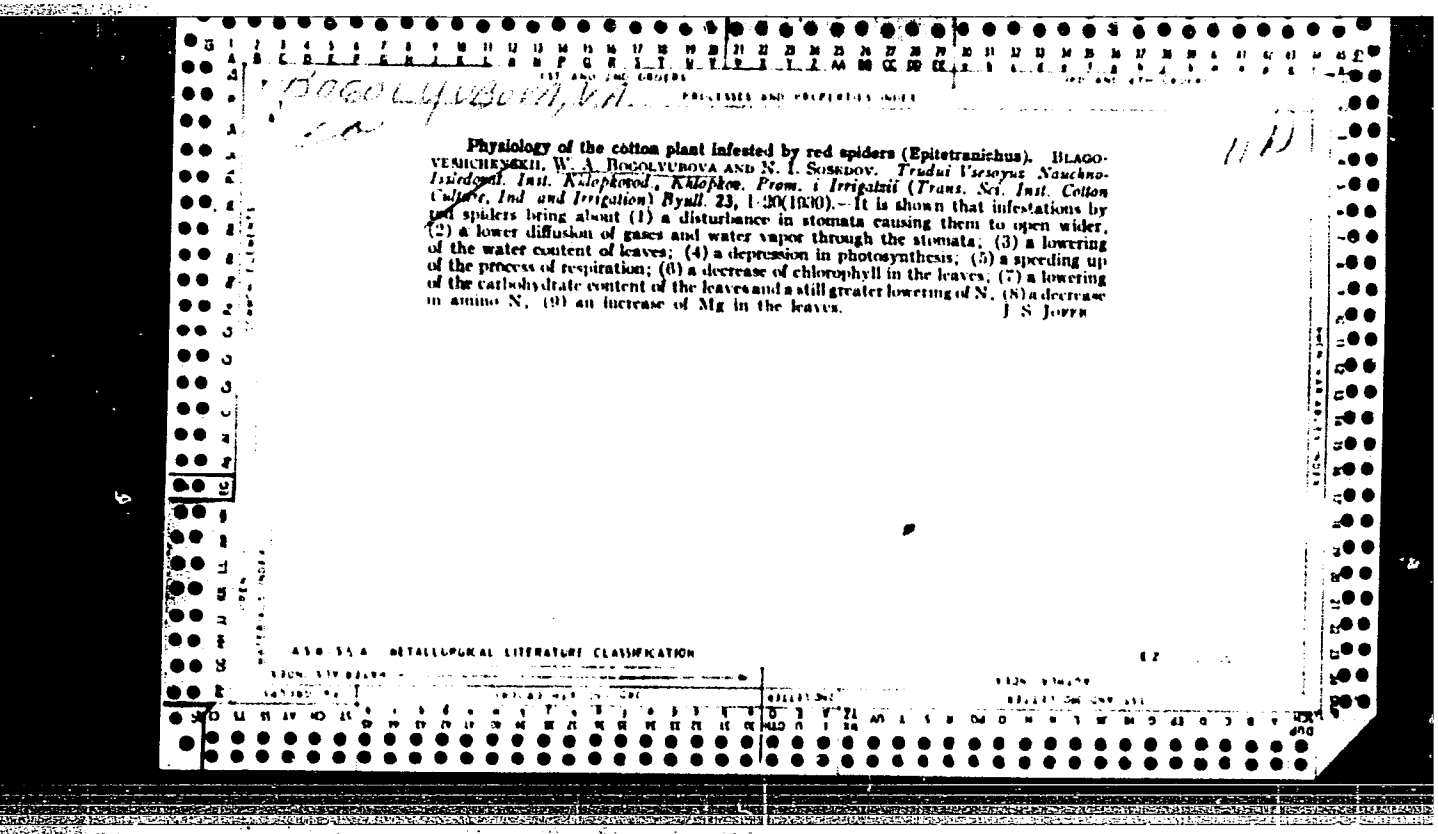

Physiology of the cotton plant infested by red spiders (Epitetranichus). BLAGOVESHCHENSKII, W. A. BOGOLYUBOVA AND N. I. SOSKOV. *Trudui Vsesoyuz Nauchno-Issledovat. Inst. Khlopkovod., Khlopkov. Prom. i Irrigatsii* (*Trans. Sci. Inst. Cotton Culture, Ind and Irrigation*) *Ryall.* **23**, 1-20(1930).—It is shown that infestations by red spiders bring about (1) a disturbance in stomata causing them to open wider, (2) a lower diffusion of gases and water vapor through the stomata; (3) a lowering of the water content of leaves; (4) a depression in photosynthesis; (5) a speeding up of the process of respiration; (6) a decrease of chlorophyll in the leaves; (7) a lowering of the carbohydrate content of the leaves and a still greater lowering of N; (8) a decrease in amino N; (9) an increase of Mg in the leaves.

J. S. JOFFE

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

BOGOLIUBOVA, V. A.

"A Study of the Physiology of Cotton Affected by Wilt in Connection with Unfavorable Factors (Stimulators) of Favorable (Injury by Nematodes) to the Disease and with the Humidity of the Soil," Itogi Nauchno-Issledovatel'skikh Rabot Vesesoiuznogo Instituta Zashchity Rastenii za 1935 Goda, 1936, pp. 240-242. 423.92 L541

SO: SIRA SI 90-15: 15 Dec 1953

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

BOGOLIUBOVA, V. A.

"Studies on the Effect of Sulfur and Its Preparations on Cotton," Itogi Nauchno-Issledovatel'skikh Rabot Vsesoiuznogo Instituta Zashchity Rastenii za 1935 Goda, 1936, pp. 242-244. 423.92 L541

SO: SIRA SI 90-15: 15 Dec 1953

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

RUKLYUYEVA ~~et al~~, V. A.

"Use of Metafos and CMA for Control of Sucking Pests on Cotton"
paper presented at Nn First Conference on Phosphorous Compounds, Kazan, 8-10 Dec 56

SO: B-3,084,841

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

BOGOLYUBOVA, V. A.

USSR / General and Specialized Zoology. Insects. P
Insect and Mite Pests.

Abs Jour : Ref Zhur - Biol., No 10, 1958, No 44802

Authors : Bogolyubova, V. A.; Stempnevskaya, M. R.
Inst : AS USSR
Title : The Problem of the Use of Mercaptophos and Octamethyl in Controlling the Sucking Pests of Cotton.

Orig Pub : Khimiya i primeneniye phosphororganic, soyedineniy, M., AN SSSR, 1957, 476-484.

Abstract : In equal concentrations, the toxicity of octamethyl (0.2 - 0.3%) for mites and aphids lasted longer than that of Mercaptophos (0.05 - 0.75%). The mite larvae which developed out of the eggs after the treatment were destroyed with 0.1% Mercaptophos concentration when the leaves were

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Abs Jour : Ref Zhur - Biol., No 10, 1958, No 44802

sprayed abundantly on both sides, with a 0.2% concentration - when the leaves were sprayed on one side. Aphids and mites feeding on the newly grown cotton leaves treated with mercaptophos (0.2% and 0.5%) were not destroyed. The 0.3% concentration was the most effective. Leaf scorching on the lower level and 2.6 - 7.6% defoliation were observed when the cotton was treated at the beginning of budding with mercaptophos (0.1 - 0.2%) or by octamethyl (0.2 - 0.4%). When both preparations were used, especially in high concentrations, the accumulation of dry matter and the growth of the stems proceeded faster than in the control, although 100% flowering and ripening took place later than in the control.

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BOGOLYUBOVA, V. [Boholiubova, V.], nauchnyy sotrudnik

Green treasure chest of the Crimea. Nauka i zhyttia 12 no.12: 34-35 D '62. (MIRA 16:8)

1. Nikitskiy botanicheskiy sad.

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

BOGOLYUBOVA V.D.

USSR/Cultivated Plants. Fruit Trees. Small Fruit Plants. M

Abs Jour: Ref Zhur-Biol., No 17, 1958, 77878.

Author : Klimenko, K.T.; Bogolyubova, V.D.
Inst : Main Botanical ~~Garden, AS USSR.~~
Title : Influence of Trace Elements on Growth of Citrus Seedlings.

Orig Pub: Byul. Gl. botan. sada. AN SSSR, 1957, vyp. 29, 85-87.

Abstract: In the Nikitskiy Botanical Garden, on lime-clayey soils with pH 7-8.5, non-root feeding of the young citrus seedlings Junos Yudzu, Poncirus trifoliata Raf. and lemon gave positive results with the salts Mn (0.05 G/l $MnSO_4$). B (0.01 G/l $Na_2B_4O_7 \cdot 10H_2O$), and lemon also with sulfate salts An (0.01%) and Cu (0.01% and 0.02%) in various combinations, including also NPK, on a base of abundant liquid fertilizers of

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

USSR/Cultivated Plants. Fruit Trees. Small Fruit Plants. M

Abs Jour: Ref Zhur-Biol., No 17, 1958, 77878.

organic and phosphors, and for lemon also mineral-nitrogens. Spraying was conducted every 10 days from July to November morning and evening. Best results were obtained in the following variants: for Junos citrous annuals - NPK + Mn + B and Mn + B (153%) and for the two years - Mn and Mn + B; for two year Poncirus trifoliata Raf. - NPK + Mn + B and Mn; for the lemon + sulfate Cu and Zn and Cu + Zn + Mn. -- S. I. Petyayev.

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

BOGOLYUBOVA, V.D.; MILOVIDOVA, N.D., red.; ARTSYBASHEVA, A.P., tekhn. red.

[State Nikita Botanical Garden; a guide through the arboretum] Gosudarstvennyi Nikitskii botanicheskii sad; putevoditel' po dendrologicheskomu parku. Moskva, Sel'khozizdat, 1962. 101 p. (MIRA 15:10)

(Crimea--Arboretums)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

BOGOLYUBOVA, V.D.; MILOVIDOVA, N.D., red.; ARTSYBASHEVA, A.P., tekhn. red.

[Nikita State Experimental Botanical Garden; guidebook to the dendrological park] Putevoditel' po dendrologicheskomu parku. Moskva, Sel'khozizdat, 1962. 101 p. (MIRA 16:5)

1. Yalta. Gosudarstvennyy Nikitskiy opytnyy botanicheskiy sad.
(Nikita (Crimea))--Botanical gardens)

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BOGOLYUBOVA, V. G.

USSR

A case of seed germination within the growing tomato fruit and greening of seed areas. V. G. Bogolyubova. *Botan. Zhur.* 39, 908-10(1954).—A tomato kept in the dark to complete ripening developed a greenish brown spot, 6–7 mm. in diam. Some of the seeds germinated and threw out two cotyledons which had an intense green color. The area where this fruit was grown had been treated since 1949 with B and Mn at the rate of 1.5 g./m.^{2} of soil area. In 1952 Bordeaux mixt. was added as a source of Cu. Mo was added at the rate of 1 g. NH_4 molybdate. The micro-elements were added in increments, first in soln. applied to the soil, followed by 3 sprayings, one at flowering and second at fruit setting. The Mo soln. was applied to the soil only. J. S. Joffe

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

BOGOLYUBOVA, V.G.

Utilization of phytoncidal plants for the conservation of water.
Bot.zhur. 48 no.2:231-234 F '63. (MIRA 16:4)
(Phytoncides) (Rowan) (Water—Purification)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

BOGOLYUBOVA, V.M.

Oxyhemometric observations in ligation of the iliac vein in cases of decompensated heart failure. Vrach.delo no.10:1091-1093 O'58
(MIRA 11:11)

1. Fakul'tetskaya terapevticheskaya klinika (zav. - prof. A.A. Kedrov) Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta.
(ILIAC VEIN--LIGATURE)
(BLOOD--OXYGEN CONTENT)

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ISAKOV, I.S., prof., admiral flota v otstavke, otv.red.; PETROVSKIY, V.A., dotsent, kand.voyenno-morskikh nauk, kontr-admiral, zamestitel' otv.red-ra [deceased]; DEMIN, L.A., dotsent, kand.geograf.nauk, inzh.-kapitan 1 ranga, glavnyy red.; BERG, S.L., inzh.-mayor, red.; PAVLOVA, O.T., red.; PANIN, I.S., red.; KRONIDOVA, V.A., red.; MARAGINA, A. S., red.; SHIROKOVA, V.S., red.; BOGOLYUBOVA, Ye.D., inzh.-kartograf; BRAILOVSKAYA, Ye.D., inzh.-kartograf; ZININA, Ye.M., inzh.-kartograf; ORLOVA, N.S., inzh.-kartograf; SAVINOVA, G.N., inzh.-kartograf; ALEKSEYEVA, A.V., tekhnik-kartograf; BALAKSHINA, M.M., tekhnik-kartograf; GRIGOR'YEV, A.P., tekhnik-kartograf; DUROVA, T.P., tekhnik-kartograf; MILETINA, M.S., tekhnik-kartograf; SIMAVONOVA, O.B., tekhnik-kartograf; TROPOVA, Z.V., tekhnik-kartograf; SHUMAN, E.E., tekhnik-kartograf; FURAYEVA, Ye.M., tekhn.red.; SVIDERSKAYA, G.V., tekhn.red.; CHERNOGOROVA, L.P., tekhn.red.; SHREYDER, L.Z., tekhn.red.

[Marine atlas] Morskoi atlas. Otv. red. I.S. Isakov. Glav. red. L.A. Demin. Izd. Morskogo general'nogo shtaba. [---Index of geographical names] ---Ukazatel' geograficheskikh nazvanii. 1952. 543 p. (MIRA 12:1)

1. Russia (1923- U.S.S.R.) Voyenno-morskoye ministerstvo. (Ocean--Maps) (Harbors--Maps)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

AL'PEROVICH, M.A.; GRECHKO, M.K.; BOGOLYUBSKAYA, L.T.

Photographic properties of oxacarbocyanines with α-naphthyl and 2-thienyl groups in 5,5' positions. Zhur.nauch. i prikl.fot. i kin. 9 no.2:90-92 Mr-Ap '64. (MIRA 17:4)

1. Filial Vsesoyuznogo nauchno-issledovatel'skogo kinofotoinstituta, Shostka.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

BOGOLYUBSKAYA, L.T.; AL'PEROVICH, M.A.

Action of thioacetamide on 2-bromo-3-coumaranone. Zhur. ob. khim. 34 no.9:3119-3120 S '64. (MIRA 17:11)

1. Shostkinskiy filial Nauchno-issledovatel'skogo kinofotoinstituta.

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

ACCESSION NR: AP4026815 S/0077/64/009/002/0090/0092

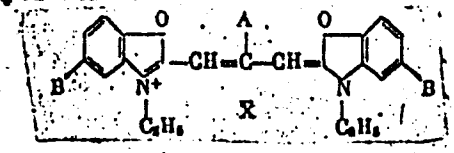
AUTHORS: Al'perovich, M. A.; Grechko, M. K.; Bogolyubskaya, L. T.

TITLE: Photographic properties of oxacarbocyanines with α-naphthyl and α-thienyl groups in positions 5,5'

SOURCE: Zhurnal nauchnoy i prikladnoy fotografii i kinematografii, v. 9, no. 2, 1964, 90-92

TOPIC TAGS: photography, photographic emulsion, color sensitizing, sensitizing dye, cyanine, carbocyanine, oxacarbocyanine, naphthyl group, thienyl group, polymethine chain, meso-methyl derivative, meso-ethyl derivative

ABSTRACT: Tests were conducted on the sensitivity to light and fog density of emulsions containing one millionth of a mole of the sensitizing dyes per mole of silver halide. Their absorption spectra were measured by means of an SF-2M spectrophotometer. The dyes were derivatives of oxacarbocyanine of the formula



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ACCESSION NR: AP4026815

where A in the methine chain was substituted by H, CH_3, or C_2H_5, while B was substituted by H, C_6H_5, α-$C_{10}H_7$, or α-C_4H_3S. It was found that in the series of dyes with non-substituted methine groups the 5,5'- diphenyl-, and especially the 5,5'-di-α-naphthyloxacarbocyanines (unlike the corresponding di-α-thienyl derivative) are more effective sensitizers than the simplest dye of this range. In shifting from the nonsubstituted methine group dyes to the meso-alkyl-substituted ones, with phenyl and α-thienyl groups in positions 5 and 5', a sharp increase in effectiveness was observed. The spectrophotometric curves revealed that the ethylates of the 9-ethyl-5,5'-di-α-thienyloxacarbocyanine and of the 9-ethyl-5,5'-diphenyloxacarbocyanine, unlike the corresponding derivatives of a nonsubstituted methine chain dye, possess a pronounced tendency to the formation of I-aggregates. Orig. art. has: 1 chart, 1 table, and 1 formula.

ASSOCIATION: Filial NIKFI Shostka (Division of NIKFI)

SUBMITTED: 05Nov62 DATE ACQ: 16Apr64 ENCL: 00

SUB CODE: PG NO REF SOV: 003 OTHER: 005

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000205920010-2

Библиография

GVOZDEV, Mikhail Mikhaylovich; YAKOVKIN, Vladimir Avenirovich; BOGOLYUBSKIY, G.N., redaktor; MARKIN, A.V., redaktor; KAMEVSKAYA, M.D., redaktor; KARYAKINA, M.S., tekhnicheskiy redaktor

[Atomic weapons and atomic defense] Atomnoe oruzhie i protivoatomnaia zashchita. Moskva, Izd-vo DOSAAF, 1956. 172 p. (MLRA 9:12)
[Microfilm]

(Atomic bomb—Safety measures)
(Atomic weapons)

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BABKIN, I.A.; BOGOLYUBSKIY, G.N.; BURLINOV, I.I.; VOZNESENSKIY, V.V.; DANILYUK, V.S.; ZAPOL'SKIY, G.N.; ZUBKIN, A.S.; IL'YASHEV, A.S.; KIPRIYAN, K.M.; KONDRAT'YEV, P.V.; KORABLEV, M.D.; LEBEDEVA, Yu.A.; MAKAROV, Yu.K.; MIROSHNIKOV, I.P.; NOVICHENKO, I.P.; POPOV, A.V.; SEREBRYAKOV, V.A.; KANEVSKAYA, M.D., red.; ANDRIANOV, B.I., tekhn.red.

[Protecting the public from present-day means of destruction; a textbook for organizations of the All-Union Voluntary Society for the Promotion of the Army, Aviation, and Navy] Zashchita naseleniia ot sovremennykh sredstv porazheniia; uchebnoe posobie dlia organizatsii Vsesoyuznogo dobrovol'nogo obshchestva sodeystviya armii, aviatsii i flotu. Moskva, Izd-vo DOSAAF, 1958. 334 p. (MIRA 12:4)
(Civil defense)

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BOGOLYUBSKIY, G.N.; BURLINOV, I.I.; VINOGRADOV, L.V.; VOZNESENSKIY, V.V.; DANILYUK, V.S.; ZUBKIN, A.S.; IL'YASHEV, A.S.; KORABLEV, M.D.; LEBEDEVA, Yu.A.; MAKAROV, Yu.K.; MIROSHNIKOV, I.P.; NOVICHENKO, I.P.; POPOV, A.V.; SEREBRAKOV, V.A.; VARENNIKOV, I.S., red.; GODINER, F.Ye., red.; SORKIN, M.Z., tekhn. red.

[Protecting the population from present-day means of destruction] Zashchita naseleniia ot sovremennykh sredstv porazheniia; uchebnoe posobie dlia organizatsii DOSAAF. Pod obshchei red. I.S.Varennikova i L.V.Vinogradova. Izd.2., perer. i dop. Moskva, Izd-vo DOSAAF, 1962. 254 p. (MIRA 16:4)
(Civil defense)

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PHASE I BOOK EXPLOITATION SOV/6426

Bogolyubskiy, G. N., I. I. Burlinov, L. V. Vinogradov, V. V. Voznesenskiy, V. S. Danilyuk, A. S. Zubkin, A. S. Il'yashev, M. D. Korablev, Yu. A. Lebedeva, Yu. K. Makarov, I. P. Miroshnikov, I. P. Novichenko, A. V. Popov, and V. A. Serebryakov

Zashchita naseleniya ot sovremennykh sredstv porazheniya; uchebnoye posobiye dlya organizatsii DOSAAF (Protection of the Population From Modern Means of Destruction; Handbook for DOSAAF Organizations) 2d ed., rev. and enl. Moscow, DOSAAF, 1963. 254 p. 450,000 copies printed.

Sponsoring Agency: Vsesoyuznoye ordena krasnogo znameni Dobrovol'noye obshchestvo sodeystviya armii, aviatsii i floty.

Eds. (Title page): I. S. Varennikov and L. V. Vinogradov; Compilers: M. D. Korablev and Yu. A. Lebedeva; Ed.: F. Ye. Godiner; Tech. Ed.: M. Z. Sorkin.

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Protection of the Population (Cont.) SOV/6426

PURPOSE: This textbook is intended for persons studying civil defense, and is the basic manual for DOSAAF civil-defense instructors.

COVERAGE: This book describes in detail modern aerial mass-destruction weapons and civil defense. It also discusses means of coping with the effects of an attack.

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Ch. II. Protecting the Population From Modern Mass-Destruction Weapons 65

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